



IMPACTPRO® SATIN

Hygienic Wall Cladding

Technical Data Sheet - 2.5mm coloured uPVC wall protection system

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PRODUCT DEFINITION & KEY PERFORMANCE

Product definition

IMPACTPRO® Satin is a solid 2.5mm coloured uPVC hygienic wall cladding sheet with a smooth satin finish. It provides durable, impervious wall protection for hygiene-critical and hard-wearing interiors and is designed to be cut, formed, bonded and heat welded as part of a coordinated IMPACTPRO® system.

Parameter	Value	Details
Material	uPVC	Solid rigid hygienic wall cladding sheet
Thickness	2.5mm	Nominal sheet thickness
Standard sheet sizes	2500 x 1220mm; 3050 x 1220mm	Current website supply sizes
Surface finish	Smooth satin colour finish	Protective film retained during installation
Maximum service temperature	60°C	Upper service temperature
Lower temperature limit	0°C	Lower service temperature
Food contact	Approved	Suitable for hygienic / food-related interiors
Chemical resistance	High	Designed for demanding commercial environments

Physical & mechanical properties

Property	Test method	Result	Unit
Specific gravity	DIN ISO 1183	1.45	g/cm ³
Water absorption to saturation at 23°C	MSZ EN ISO 62	0.20	%
Tensile strength	DIN EN ISO 527-1,2	>45	MPa
Elongation at yield	EN ISO 527	>45	%
Tensile strength at break	DIN EN ISO 527	>20	MPa
Unnotched impact strength	DIN EN ISO 178	No break	kJ/m ²
Notched impact strength	DIN EN ISO 179	No break	kJ/m ²
Shore D hardness	DIN EN ISO 868	68	-
Tensile modulus of elasticity	ISO 527-1,2	>2500	MPa

THERMAL, ELECTRICAL & FIRE PERFORMANCE

Property	Test method	Result	Unit
Vicat softening point VST/B/50	DIN EN ISO 306	70	°C
Coefficient of linear thermal expansion 23°C-100°C	DIN 53752	0.7	m/(m.K)
Thermal conductivity at 23°C	DIN 52612	0.2	W/mK
Surface resistivity	DIN 53482	10 ¹³	Ω
Dielectric strength	MSZ EN 60243-1	18	kV/mm
Food compliance - EU	EU 10/2011	Yes	-

Fire performance

Classification / standard	Result
BS EN 11925-2 / reaction to fire	B-s3,d0
BS 476 classification	Class 0 when fully adhered to a non-combustible surface

Colour & finish



The IMPACTPRO® Satin range is supplied in a commercial colour palette for healthcare, education, commercial kitchens, washrooms, food production and other hygienic interiors. Physical samples should be used for final colour selection.

DESIGN, INSTALLATION & MAINTENANCE CRITERIA

Substrate and environmental requirements

- Substrate to be flat, sound, clean, dry and free of contamination. Make good defects before cladding.
- Painted surfaces may be suitable subject to adhesion testing. Plastered surfaces must be dust-free.
- All substrates to be dried to a maximum of 16% WME before fixing.
- Minimum recommended installation-area temperature: 14°C.
- Store sheets flat in the installation room for approximately 24 hours before fitting.

Jointing, corners and complete-system details

- Bond sheets using IMPACTPUR® two-part polyurethane cladding adhesive.
- Use compatible divider, edge, transition and corner profiles where specified.
- Heat-welded joints may be used with compatible colour-matched weld rod.
- Internal and external corners may be thermoformed from the sheet or completed using compatible corner profiles.
- Allow approximately 3mm expansion clearance at inflexible supports including door frames, ceilings and skirting.
- Seal exposed edges and service penetrations with compatible hygienic silicone where required.

Cleaning and maintenance

- Routine cleaning: soft cloth with mild soap or detergent; cleaning solution not above 60°C.
- Avoid abrasive pads and aggressive solvents that could mark the satin surface.
- For stubborn contamination use a compatible alkaline cleaner with a soft cloth.
- Where pressure cleaning is permitted, maintain at least 600mm from the sheet surface.